

Eastern Arizona Amateur Radio Society

EST. 1974

www.eaars.com

INC.

facebook.com/groups/eaars

Club Address: EAARS, PO Box 398, Solomon, AZ 85551



October, 2022

JOIN EAARS on Facebook

EAARS has a presence on Facebook and you are invited to **JOIN** the page. This is a great media to quickly share news, photos and events that are EAARS related or might be interesting to the members. If you utilize "Notifications" on the EAARS Facebook page, you can receive club updates AS THEY HAPPEN.

To reach the page, please visit **facebook.com/groups/eaars** and **JOIN** the page. You must have a Facebook account to be part of the EAARS group.



EAARS Open Repeaters

PL 141.3 unless noted otherwise

Echolink: 614350 IRLP: 7787

Heliograph Peak at Safford, AZ:

146.860, 440.700 Linked

146.900, 447.8250 Not Linked

Jacks Peak at Silver City, NM:

145.210 Linked

West Peak at Ft Thomas, AZ:

145.350 Access to link to network

Pinal Peak at Globe, AZ:

145.410 Linked

South Mt at Alpine, AZ:

145.270 Linked

Caballo Mt at TorC, NM:

145.470 Linked

Greens Peak at Show Low, AZ

146.700 Linked

Little Florida at Deming, NM:

147.060 Linked

Mule Mt at Bisbee, AZ:

147.080 Linked

Mt Lemmon at Tucson, AZ

147.160 Linked

Guthrie Peak at Clifton, AZ:

147.280 Linked

Downtown at Tucson, AZ

147.28 Output

146.26 Input, PL 127.3

Gals on the Air!

EST. June 2015

Calling all Gals of any class ... Join us every Monday night for the
Gals Night Net @ 7:30 pm (AZ) on the EAARS system!

[Facebook.com/groups/galsnightnet](https://www.facebook.com/groups/galsnightnet)

Upcoming Events

*Would You like to see your event posted for the membership to see?
Email your information to emberfire@cox.net.*

2022

TARA Ham Swapfest (Payson)	.....	Oct 1st
COPAfest and ARRL State Convention (Maricopa)	.....	Oct 29th
HARKfest (Congress)	.....	Nov 5th
Oro Valley Hamfest	.....	Nov 12th
West Valley Electronics Club Swapfest (Youngtown)	.....	Nov 19th
Superstition Superfest (Mesa)	.....	Dec 3rd

*Clubs, send me the events you would
like shown here for 2022.*

WEEKLY EAARS' NETS

Every day:

Down Under Net - 4:15 am

Weather Net - 5:30 am

NTS Traffic Net - 6:30 pm

*All times are noted on Arizona
time.*

Sunday:

EAARS Net - 7:00 pm

Monday:

Gals Night Net - 7:30 pm

Wednesday:

*Skywarn Net - During Monsoon, Every Wednesday at 7:30 pm,
Off Season, every third Wednesday of month at 7:30 pm*

Saturday:

*ERC (Emergency Response Communications) Net - 8:45 am, 2nd
Saturday of the month (20-25 min duration)*

EAARS Officers and Staff

Board Officers

President
Vice President
Secretary/Treasurer

Dan Quaintance AF7EF
Joe Montierth K7JEM
Larry Griggs N5BG

Staff

Site Trustee
Net Manager
Newsletter Editor

Joe Montierth K7JEM
Chris Buchanan N7JND
Angie Buchanan N7EMB

Net Control Operators

Rick W8YBM
Larry KG7VLN
Angie N7EMB
Chris N7JND

1st Sunday
2nd Sunday
3rd Sunday
4th Sunday

ARRL RADIO CONTESTS

October 2022
1-2 Collegiate QSO Party
15-16 EME - 50 to 1296 MHz
17-21 School Club Roundup

For details on all ARRL contests and for non-ARRL contests,
visit <http://www.arrl.org/contest-calendar>

New EAARS Members!

Gary AE7GP
Teddy KK7HYG
Loren WA7SKT
Veda KG7OOL



EAARS PICNIC

The 2022 EAARS picnic happened on Sept 10. It's been a couple years since EAARS held its last picnic due to COVID. Per Larry - N5BG, the picnic went well. Although a few had to cancel at the last minute, it was well attended.

While EAARS provided these huge steaks, thanks to everyone that brought a side dish to share. Everything was reported delicious. Master Chefs Dennis - KE7KRE and EAARS Vice President Joe K7JEM were at the grill cooking those very large steaks for all to enjoy. Tummies got full and conversation was great. Per Larry, the weather was nice and being in the cooled room, was great also.

Thanks to the great staff at EAARS for a great picnic. See ya next year.



A Beautiful Weekend in Paradise!

by Steven Lemuel Williamson (W7WIL)

The Cochise Amateur Radio Association made the trek to the ghost town of Paradise for its annual special event station. This was the club's 44th activation of Paradise. The special event went from Saturday, September 3rd to the Monday, the 5th, with club members and guests camping out in the meadow next to the old Paradise cemetery. The residents of the cemetery and the participants of the special event station left each other alone. Despite poor band conditions, the club had QSOs with 47 states, and 13 countries on a 3-element Yagi atop the mast of Cochise County's Mobile Communications Unit. Of course, being in the middle of nowhere means the club ran on emergency power the entire weekend.

There were operators of all kinds participating in this year's special event station, to include some younger operators. In fact, the young operators this year contributed a sizable number of contacts to the total. Everyone had a blast. Participants also ate good, with steaks (provided by the county) on Saturday evening, a chili cook off on Sunday evening, and the infamous Eggs Paradise on Monday morning (a dish that differs every year and has secret ingredients that are closely guarded — hihi). Members of CARA are already looking forward to next year, the 45th annual Paradise trip.



RST Hamfest

It was a great Turnout

It was a great morning for a Hamfest in Tucson Arizona. On September 24th , the Radio Society of Tucson held their Fall Hamfest at the Calvary Church on Tucson's east side. As always, RST did an excellent job hosting this Hamfest. I think I counted 4 or 5 rows of sellers and there was a little bit of everything from newer stuff, boat anchors and those wonderful boxes of parts that we love to dig through.

Many Hams got to see old friends and meet new friends. Half the fun at these Hamfests, are the mingling with those you know and don't know. Try walking up to a stranger at a conventional swap meet and talking to them and you will probably never talk to them again. Walk up to a stranger at a Hamfest and you will have a friend for life.

The Boy Scouts of America were present and presented a great variety of food and drinks to all of us sellers and lookers. Thank You to Joe - K3TYE and his great group of scouts for keeping us fed. There was coffee, sodas, hot dogs & burritos among other great munchies ALL at a low low price.



MAGIC EYE TUBES GO SOLID STATE A PLUG IN REPLACEMENT

Perhaps nothing added quite so much to the charm of vacuum tube circuits from back in the heyday of the vacuum tube, as did the "Magic Eye" indicating tube. With the ghostly green glow of its circular face, magic eyes stood in for more expensive moving-coil meters for things like tuning indicators and VU meters. And while they may be getting hard to come by today, fear not — this solid-state replacement for the magic eye tube is ready to stand in for your restoration projects.

To pull off this clever build, [Gord Rabjohn] started with original 6E5 and 6U5 magic eye tubes, presumably ones that either no longer worked or had become too weak to see. The glass envelopes of the cathode-ray tubes were carefully cut from the sockets, and the guts of the tubes were discarded to make room for the replacement circuit, which lives on two PCBs. A rectangular control board holds an LM3915 bar graph LED driver chip, while a round display PCB holds 120 surface-mount green LEDs.

The circular display board is mounted at the top of the control board and perpendicular to it, with a diffuser mounted above the LEDs. Everything is stuffed back into the original glass envelope and socket, making this a plug-in replacement for the tube.

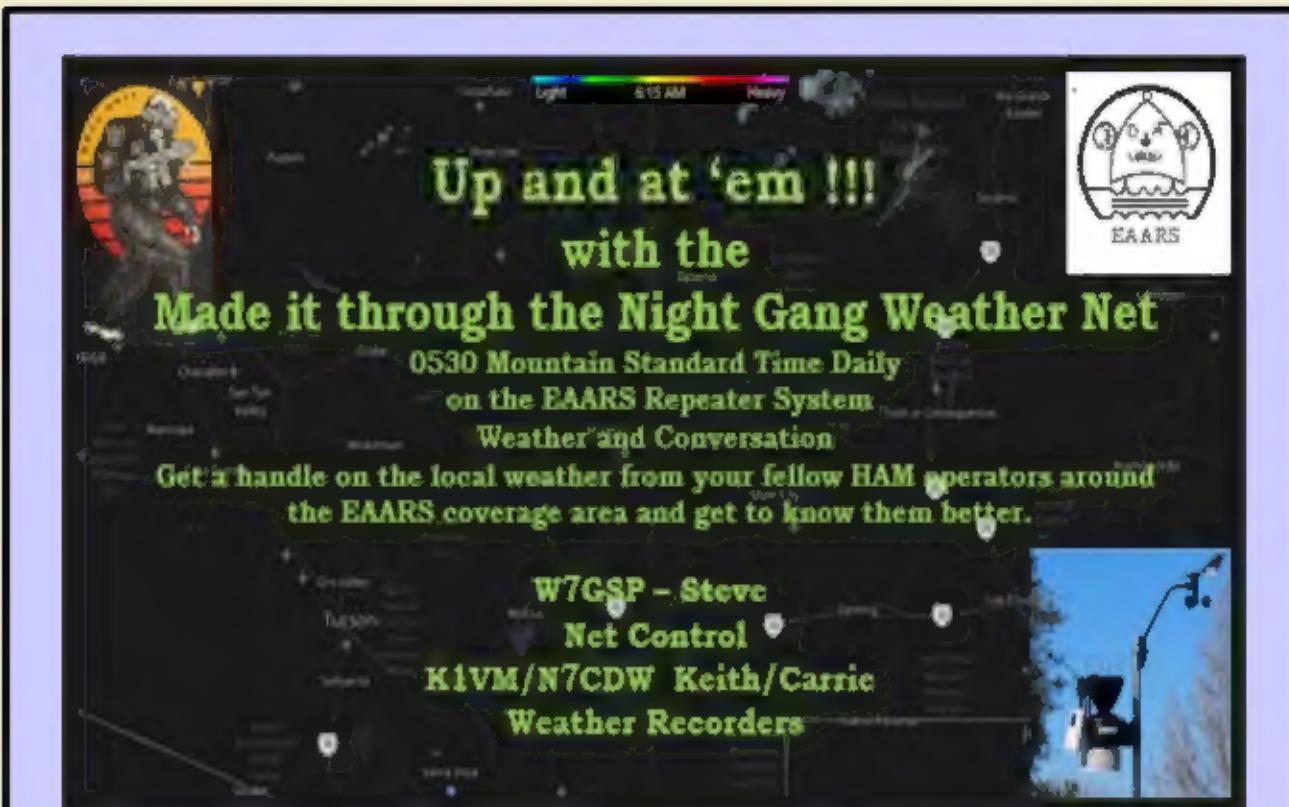
The effect is quite convincing, as shown in You Tube link below. True, you can see some evidence of the individual LEDs even with the diffuser, but honestly this just makes the display look more like the iris of an eye.

We really like the look of this and we appreciate the work [Gord] put into it, especially the documentation.

<https://youtu.be/T6HPaSh0j1o>

[Al Williams]' article.





EAARS Streaming Audio

Did you know that if you travel outside of the EAARS coverage area, you can still monitor the EAARS system? EAARS provides 24/7 streaming audio to your Smart Phone, Tablet, Laptop and Desktop Computer. There are many apps that allow you to listen in. Just search for "Police Scanner" apps in your Play Store or other areas depending on your phone.

Remember, the EAARS audio stream can be delayed up to 60 seconds. Example: If the NTS traffic net starts right at 18:30 hours, you may not actually hear the net start until 18:31 hours. Due to Internet latency, it's NOT real time, but delayed.

The most common app to install, is called "Broadcastify". This app along with others, allow you to focus right into the state, county and town to monitor local Ham Repeaters, Police and Fire, Rail and many other services. If you don't want to install an app, you can also go to <https://www.broadcastify.com/listen/> and click your way through the map. You can also visit the EAARS website at eaars.com and click on "Click Here To Listen To Live EAARS Repeater Audio"

Although EAARS has Echolink and IRLP, it is considered "Bad Practice" to use these services just to listen only. Please use streaming audio if you want to just monitor traffic on the repeater. You can stay connected with streaming audio for as long as you like. ENJOY !!!

Other Club Stuff

From Diane AA3OF: RST VE Testing will be held at Immanuel Presbyterian Church, Witherspoon Hall, 9252 E 22nd St, at 7pm.

2022

Oct 10

Nov 14

Dec 12

Anthony K7AER And Jerry K7ZDD are officially Accredited and Registered with ARRL. Starting January 28, 2022 at 6:00 pm. Ham Radio testing will be held at the Vernon Libraray, Vernon Teaching Testing Center, 26 County Road 3142, Vernon, AZ. After that every 2 months on the last Friday of the month thereafter. Walk-ins are welcome. Ham Radio Testing will be held for Technician, General and Amature Extra.

If you live in the Graham or Greenlee County and are interested in a VE Testing Session, please feel free to contact Dan Quaintance AF7EF, (928) 235-1152.

**Do you have any club news to share? It can be posted on this page.
Send your info to Angie - emberfire@cox.net.**



Cooking up
Some Magic



Apple Cinnamon White Cake



Courtesy of allrecipes

*Prep: 20 mins
Cook: 30 mins
Total: 50 mins
Servings: 12
Yield: 1 9x5-inch loaf*

Ingredients

$\frac{1}{2}$ cup brown sugar
1 teaspoon ground cinnamon
 $\frac{3}{4}$ cup white sugar
 $\frac{1}{2}$ cup butter, softened
2 eggs
1 $\frac{1}{2}$ teaspoons vanilla extract
1 $\frac{1}{2}$ cups all-purpose flour
1 $\frac{1}{4}$ teaspoons baking powder
 $\frac{1}{2}$ cup milk
1 apple, peeled and chopped

Directions

Step 1: Preheat oven to 350 degrees F (175 degrees C). Grease and flour a 9x5-inch loaf pan.

Step 2: Mix brown sugar and cinnamon together in a bowl.

Step 3: Beat white sugar and butter together in a bowl using an electric mixer until smooth and creamy. Beat in eggs, 1 at a time, until incorporated; add vanilla extract.

Step 4: Combine flour and baking powder together in a bowl; stir into creamed butter mixture. Mix milk into batter until smooth. Pour half the batter into the prepared loaf pan; add half the apples and half the brown sugar mixture. Lightly pat apple mixture into batter. Pour the remaining batter over apple layer; top with remaining apples and brown sugar mixture. Lightly pat apples into batter; swirl brown sugar mixture through apples using a finger or spoon.

Step 5: Bake in the preheated oven until a toothpick inserted in the center of the loaf comes out clean, 30 to 40 minutes.

*kiss the
COOK*